WEST Search History

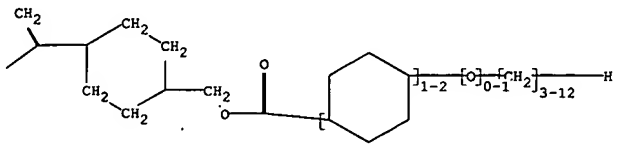
Hide Items | Restore | Clear | Cancel

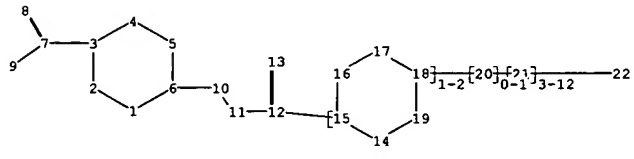
DATE: Tuesday, February 15, 2005

Hide?	Set Name	Query	Hit Count
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=ADJ		
☐	L19	L18 same liquid crystal$	20
☐	L18	L17 same alcohol	342
☐	L17	L16 same (optically active or chiral or asymmetric)	1516
☐	L16	terpenol or cinchonidine or borneol or quinine	10299
☐	L15	us-5401436-$.did.	2
☐	L14	US-5401436-A1.did.	0
	DB=PGPB; PLUR=NO; OP=ADJ		
☐	L13	US-5401436-A1.did.	0
☐	L12	US-540136-A1.did.	0
☐	L11	US-20020187281-A1.did.	1
☐	L10	US-20030178601-A1.did.	1
☐	L9	US-20030178601-A1.did.	1
☐	L8	US-20020187281-A1.did.	1
☐	L7	US-20020187281-A1.did.	1
	DB=USPT; PLUR=NO; OP=ADJ		
☐	L6	US-6830789-B2.did.	1
☐	L5	US-6830789-B2.did.	1
	DB=PGPB; PLUR=NO; OP=ADJ		
☐	L4	US-20030178601-A1.did.	1
☐	L3	US-20030178601-A1.did.	1
	DB=USPT,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=ADJ		
☐	L2	wo-200206195-$.did. or wo-200196494-$.did.	2
☐	L1	wo-2004092123-$.did.	2

END OF SEARCH HISTORY

C:\Program Files\Stnexp\Queries\673440a.s

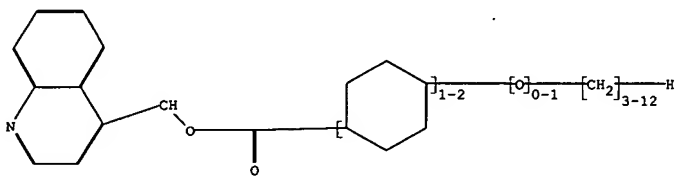


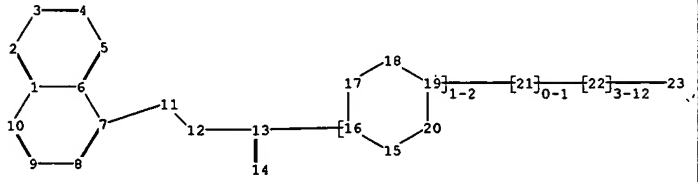


chain nodes :
7 8 9 10 11 12 13 20 21 22
ring nodes :
1 2 3 4 5 6 14 15 16 17 18 19
chain bonds :
3-7 6-10 7-8 7-9 10-11 11-12 12-13 12-15 18-20 20-21 21-22
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 14-15 14-19 15-16 16-17 17-18 18-19
exact/norm bonds :
1-2 1-6 2-3 3-4 4-5 5-6 11-12 12-13 14-15 14-19 15-16 16-17
17-18 18-19 18-20
exact bonds :
3-7 6-10 7-8 7-9 10-11 12-15 20-21 21-22

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:Atom 15:Atom 16:Atom 17:Atom
18:Atom 19:Atom 20:CLASS 21:CLASS 22:CLASS

C:\Program Files\Stnexp\Queries\673440c.s

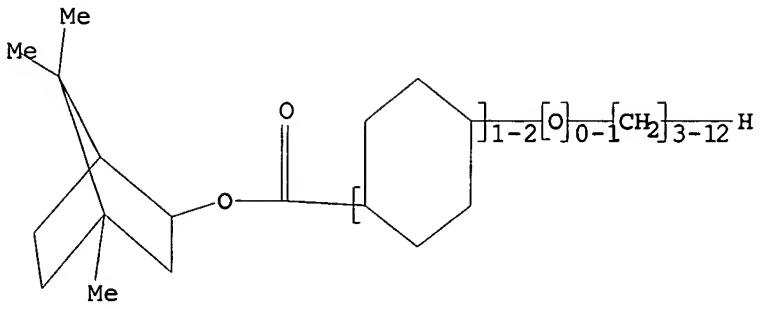




chain nodes :
11 12 13 14 21 22 23
ring nodes :
1 2 3 4 5 6 7 8 9 10 15 16 17 18 19 20
chain bonds :
7-11 11-12 12-13 13-14 13-16 19-21 21-22 22-23
ring bonds :
1-2 1-6 1-10 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 15-16 15-20
16-17 17-18 18-19 19-20
exact/norm bonds :
11-12 12-13 13-14 15-16 15-20 16-17 17-18 18-19 19-20 19-21
exact bonds :
7-11 13-16 21-22 22-23
normalized bonds :
1-2 1-6 1-10 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10

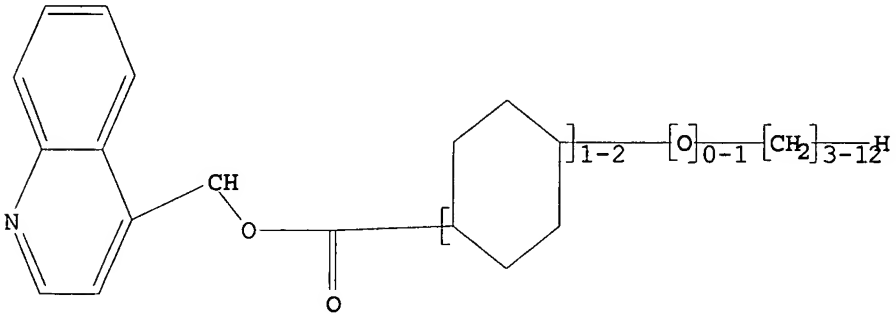
Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom
10:Atom 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:Atom 16:Atom 17:Atom
18:Atom 19:Atom 20:Atom 21:CLASS 22:CLASS 23:CLASS

=> dis l2
L2 HAS NO ANSWERS
L2 STR



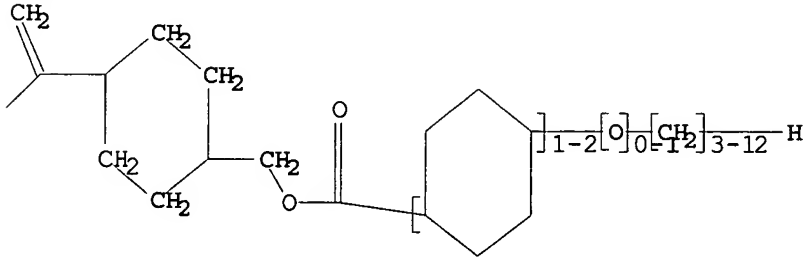
Structure attributes must be viewed using STN Express query preparation.

=> dis l1
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> dis l3
L3 HAS NO ANSWERS
L3 STR



Structure attributes must be viewed using STN Express query preparation.

AN 2004:612112 CAPLUS
DN 141:164926
ED Entered STN: 30 Jul 2004
TI Liquid crystal esters showing high twisting power and solubility in nematic liquid crystals, and their manufacture and compositions
IN Li, Tao Hung; Chen, Ting Chen; Tei, Kung Lung
PA Industrial Technology Research Institute, Taiwan
SO Jpn. Kokai Tokkyo Koho, 37 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
IC ICM C07C069-75
ICS C07C067-08; C07C069-92; C07C069-94; C07D471-08; C09K019-30; C09K019-32; C09K019-34; C09K019-42; G02F001-13; C07B053-00; C07M007-00
CC 74-13 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)
Section cross-reference(s): 30, 31, 73, 75
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2004210770	A2	20040729	JP 2003-419896	20031217
	TW 585898	B	20040501	TW 2002-91137452	20021226
PRAI	TW 2002-91137452	A	20021226		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
JP 2004210770	ICM	C07C069-75
	ICS	C07C067-08; C07C069-92; C07C069-94; C07D471-08; C09K019-30; C09K019-32; C09K019-34; C09K019-42; G02F001-13; C07B053-00; C07M007-00
JP 2004210770	FTERM	4C065/AA09; 4C065/BB09; 4C065/CC01; 4C065/DD01; 4C065/EE02; 4C065/HH02; 4C065/JJ01; 4C065/KK04; 4C065/LL01; 4C065/PP19; 4H006/AA01; 4H006/AA02; 4H006/AB64; 4H006/AC81; 4H006/BJ20; 4H006/BJ30; 4H006/BJ50; 4H006/BP30; 4H006/KA06; 4H027/BA01; 4H027/BB03; 4H027/BB04; 4H027/BC05; 4H027/BD04; 4H027/BD07; 4H027/BD14; 4H027/BD16

OS MARPAT 141:164926
AB The esters A1COGnR1 or A1COGnCOA1 [A1 = alkoxy derived from natural alc. chosen from terpenol, borneol, cinchonidine, and quinine; R1 = H, (F-substituted) C1-10 (thio)alkyl, (F-substituted) C1-10 alkyloxy; G = (F-, alkyl-, or alkyloxy-substituted) cycloalkylene, heterocyclylene, (hetero)arylene, (hetero)arylalkylene; n = 1-3] are manufactured by esterification of HO2CGnR1 or HO2CGnCO2H with optically active natural alcs. Large amount of the esters are economically manufactured The compns. are useful for wavelength-selective optical reflectors, color filters, and reflective liquid crystal displays, preferably, twisted nematic, super twisted nematic, single super twisted nematic, or thin-film transistor liquid crystal displays.
ST liq crystal natural alc ester manuf; borneol ester chiral dopant liq crystal; cinchonidine chiral dopant liq crystal; quinine ester chiral dopant liq crystal; super twisted nematic LCD quinine biphenyl carboxylate; wavelength selective optical reflector liq crystal quinine ester; color filter liq crystal natural alc ester; reflection liq crystal display quinine ester
IT Liquid crystals
(cholesteric; manufacture of liquid crystal natural alc. esters as chiral dopants for liquid crystal compns. for displays, wavelength-selective optical reflectors, and color filters)
IT Optical filters
Optical reflectors
(manufacture of liquid crystal natural alc. esters as chiral dopants for liquid

crystal compns. for displays, wavelength-selective optical reflectors, and color filters)

IT Liquid crystals
(nematic, super-twisted; manufacture of liquid crystal natural alc. esters as chiral dopants for liquid crystal compns. for displays, wavelength-selective optical reflectors, and color filters)

IT Liquid crystal displays
(reflection; manufacture of liquid crystal natural alc. esters as chiral dopants for liquid crystal compns. for displays, wavelength-selective optical reflectors, and color filters)

IT 727732-25-4P 727732-27-6P 727732-29-8P 727732-31-2P 727732-33-4P
727732-35-6P **727732-37-8P 727732-39-0P**
727732-41-4P 727732-43-6P 727732-46-9P
727732-48-1P 727732-50-5P 727732-52-7P
RL: DEV (Device component use); IMF (Industrial manufacture); MOA (Modifier or additive use); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(manufacture of liquid crystal natural alc. esters as chiral dopants for liquid crystal compns. for displays, wavelength-selective optical reflectors, and color filters)

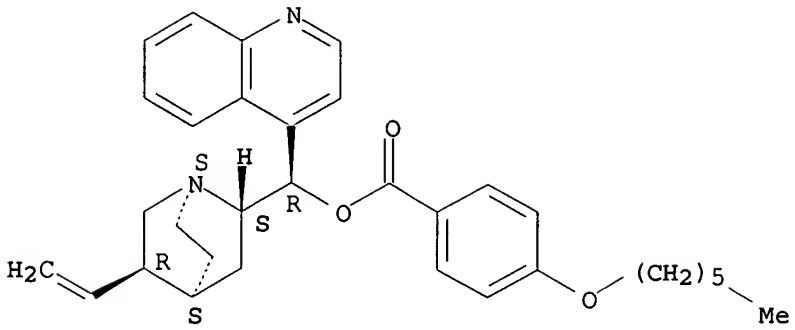
IT 148196-56-9, ZLI-5400-100 190208-50-5, ZLI-5200-100 264912-73-4, MLC-6657-100 727992-30-5, ZLI 5100-100 727992-32-7, MLC 6670-100 727992-35-0, RD 88873
RL: DEV (Device component use); TEM (Technical or engineered material use); USES (Uses)
(manufacture of liquid crystal natural alc. esters as chiral dopants for liquid crystal compns. for displays, wavelength-selective optical reflectors, and color filters)

IT 130-95-0 485-71-2 619-82-9 1142-39-8 22451-48-5 24326-33-8 38289-27-9 69367-32-4
RL: RCT (Reactant); RACT (Reactant or reagent)
(manufacture of liquid crystal natural alc. esters as chiral dopants for liquid crystal compns. for displays, wavelength-selective optical reflectors, and color filters)

IT **727732-37-8P 727732-39-0P 727732-41-4P**
727732-43-6P 727732-46-9P 727732-48-1P
RL: DEV (Device component use); IMF (Industrial manufacture); MOA (Modifier or additive use); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(manufacture of liquid crystal natural alc. esters as chiral dopants for liquid crystal compns. for displays, wavelength-selective optical reflectors, and color filters)

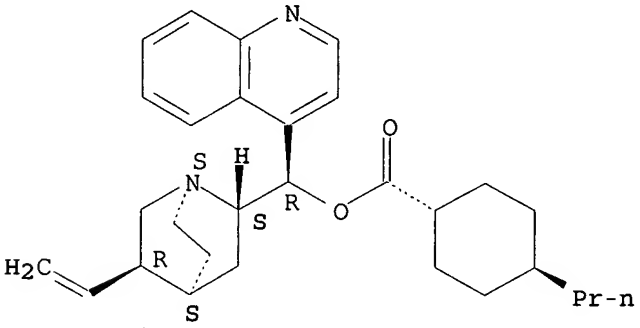
RN 727732-37-8 CAPLUS
CN Cinchonan-9-ol, 4-(hexyloxy)benzoate (ester), (8α,9R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



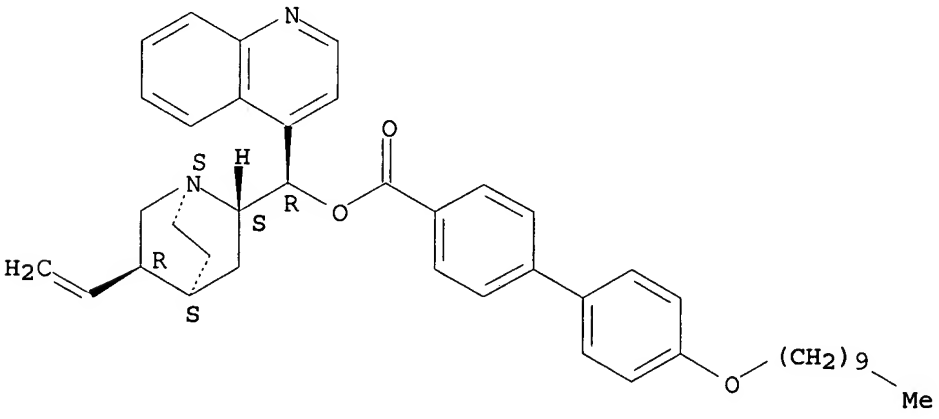
RN 727732-39-0 CAPLUS
CN Cinchonan-9-ol, trans-4-propylcyclohexanecarboxylate (ester), (8α,9R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



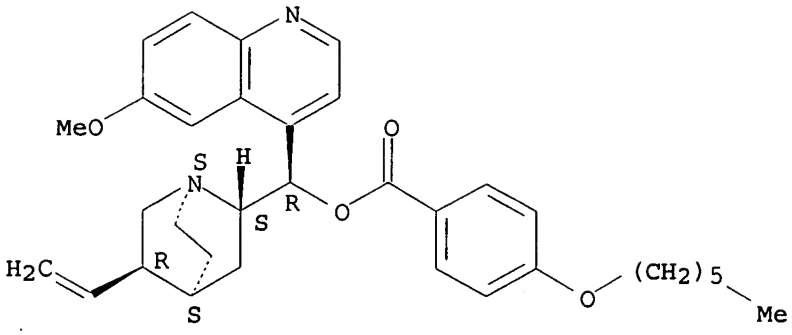
RN 727732-41-4 CAPLUS
CN Cinchonan-9-ol, 4'-(decyloxy)[1,1'-biphenyl]-4-carboxylate (ester), (8α,9R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



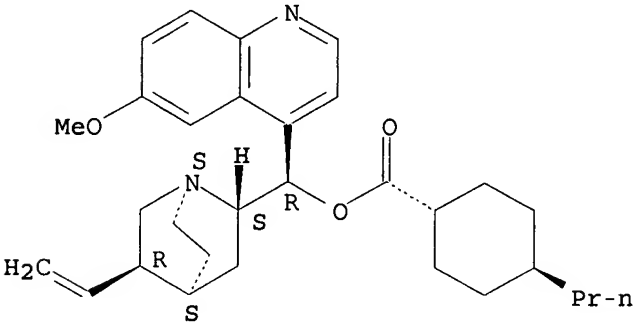
RN 727732-43-6 CAPLUS
CN Cinchonan-9-ol, 6'-methoxy-, 4-(hexyloxy)benzoate (ester), (8α,9R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



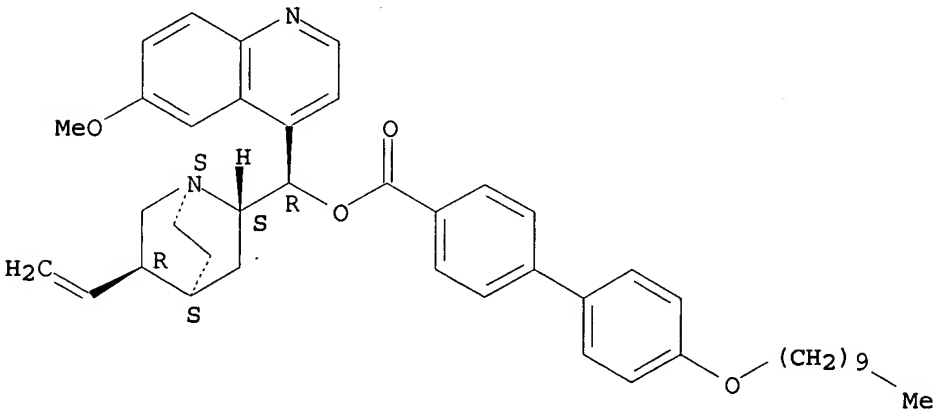
RN 727732-46-9 CAPLUS
CN Cinchonan-9-ol, 6'-methoxy-, trans-4-propylcyclohexanecarboxylate (ester), (8α,9R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 727732-48-1 CAPLUS
CN Cinchonan-9-ol, 6'-methoxy-, 4'-(decyloxy)[1,1'-biphenyl]-4-carboxylate (ester), (8α,9R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



AN 2004:902341 CAPLUS
DN 141:379919
ED Entered STN: 28 Oct 2004
TI Preparation of (iso)thiazole benzenesulfonamides and other heterocycles as inhibitors of fungal invasion
IN Talley, John Jeffrey; Fretzen, Angelika; Zimmerman, Craig; Barden, Timothy.; Yang, Jing Jing; Martinez, Eduardo; Milne, G. Todd; Etchell, A. Cordero; Christine, M. Pierce; Houman, Fariba; Busby, Robert; Summers, Eric F.; Antonelli, Stephen; Lee, Peter; Farwell, Michael; Mayorga, Maria; O'Leary, Jessica
PA Microbia, Inc., USA
SO PCT Int. Appl., 179 pp.
CODEN: PIXXD2
DT Patent
LA English
IC ICM C07D
CC 28-7 (Heterocyclic Compounds (More Than One Hetero Atom))
Section cross-reference(s): 1, 27, 63
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2004092123	A2	20041028	WO 2004-US11187	20040412

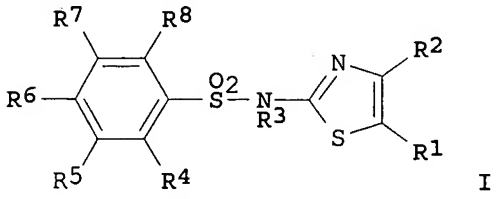
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRAI US 2003-461727P	P	20030410	
US 2003-469286P	P	20030509	
US 2003-485678P	P	20030709	

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2004092123	ICM	C07D

OS MARPAT 141:379919
GI



I

AB Title compds. e.g. [I; R1 = (substituted) alkyl, alkoxy; R2 = H, halo; R3 = H, CHO, Ac, (substituted) alkyl; R4 = H, halo, (substituted) alkyl, cycloalkyl, alkenyl, alkynyl, alkylamino, Ph, heteroaryl], were prepared Thus, 4-bromo-2-fluoro-N-(5-methylthiazol-2-yl)benzenesulfonamide, 4-fluorobenzeneboronic acid, Pd(PPh3)4, and K2CO3 were stirred in PhMe/Me2CHOH/H2O to give 15% 2,4'-difluoro-N-(5-methylthiazol-2-yl)-1,1'-biphenyl-4-sulfonamide. In a screen for inhibition of Candida albicans logarithmic phase growth, title compds. showed IC50's of as low as 0.0005 μM.
ST isothiazole benzenesulfonamide prepn fungal invasion inhibitor; thiazole

benzenesulfonamide prepn fungal invasion inhibitor; piperidineamine prepn fungal invasion inhibitor

IT Drug delivery systems
Fungicides
Human
(preparation of (iso)thiazole benzenesulfonamides and other heterocycles as inhibitors of fungal invasion)

IT Mycosis
(treatment; preparation of (iso)thiazole benzenesulfonamides and other heterocycles as inhibitors of fungal invasion)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(yadA, inhibitors; preparation of (iso)thiazole benzenesulfonamides and other heterocycles as inhibitors of fungal invasion)

IT 782475-47-2P 782475-48-3P 782475-49-4P 782475-51-8P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of (iso)thiazole benzenesulfonamides and other heterocycles as inhibitors of fungal invasion)

IT 56-54-2 86-98-6 112-38-9, 10-Undecenoic acid 118-10-5 130-95-0
485-71-2 536-66-3 613-39-8 1033-68-7 1034-11-3 2148-57-4
3074-46-2 5605-11-8 5783-00-6 19678-70-7 20029-52-1 20651-71-2
26311-45-5 38289-27-9 38289-28-0 38289-29-1 38861-88-0
43088-67-1 56233-34-2 56233-37-5 73152-70-2 73152-71-3
76087-52-0 76087-54-2 82241-22-3 113162-02-0 122432-09-1
124532-37-2 125533-08-6 126799-52-8 135042-88-5 135042-89-6
135096-79-6 136534-55-9 138040-46-7 177971-46-9 228407-17-8
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416862-79-8 419575-93-2 421560-85-2 423734-83-2 425664-71-7
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782475-66-5 782475-67-6 782475-68-7 782475-69-8 782475-70-1
782475-71-2 782475-72-3 782475-73-4 782475-74-5 782475-75-6
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782475-81-4 782475-82-5 782475-84-7 782475-87-0 782475-90-5
782475-92-7 782475-94-9 782475-95-0 782475-96-1 782475-97-2
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782476-48-6 782476-49-7 **782476-50-0** 782476-51-1
782476-52-2 782476-53-3 782476-54-4 782476-55-5 782476-56-6
782476-57-7 782476-58-8 782476-59-9 782476-60-2 782476-61-3

782476-62-4 782476-63-5 782476-64-6 782476-65-7 782476-66-8
782476-67-9 782476-68-0 782476-69-1 782476-70-4 782476-71-5
782476-72-6 782476-73-7 782476-74-8 782476-75-9 782476-76-0
782476-77-1
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(preparation of (iso)thiazole benzenesulfonamides and other heterocycles as inhibitors of fungal invasion)

IT 782476-78-2 782476-79-3 782476-80-6 782476-81-7 782476-82-8
782476-83-9 782476-84-0 782476-85-1 782476-86-2 782476-87-3
782476-88-4 782476-89-5 782476-90-8 782476-91-9 782476-92-0
782476-93-1 782476-94-2 782476-95-3 782476-96-4 782476-97-5
782476-98-6 782476-99-7 782477-00-3 782477-01-4 782477-02-5
782477-03-6 782477-04-7 782477-05-8 782477-06-9 782477-07-0
782477-08-1 782477-09-2 782477-10-5 782477-11-6 782477-12-7
782477-13-8 782477-14-9 782477-15-0 782477-16-1 782477-17-2
782477-18-3 782477-19-4 782477-20-7 782477-21-8 782477-22-9
782477-23-0 782477-24-1 782477-25-2 782477-26-3 782477-27-4
782477-28-5 782477-29-6 782477-30-9 782477-31-0 782478-59-5
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(preparation of (iso)thiazole benzenesulfonamides and other heterocycles as inhibitors of fungal invasion)

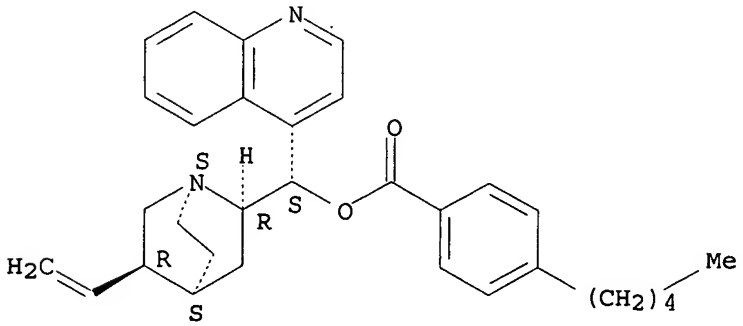
IT 71-23-8, 1-Propanol, reactions 98-58-8, 4-Bromobenzenesulfonyl chloride 1765-93-1, 4-Fluorobenzeneboronic acid 73579-08-5, 1-Methyl-4-methylaminopiperidine 79124-76-8, 3-(3,4-Dichlorophenoxy)benzaldehyde 92274-43-6 128146-85-0, 3-Amino-5-methylisothiazole 349624-47-1, 4-Fluoro-N-(5-methylisoxazol-3-yl)benzenesulfonamide 782475-54-1, 4-Bromo-2-fluoro-N-(5-methyl-1,3-thiazol-2-yl)benzenesulfonamide
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of (iso)thiazole benzenesulfonamides and other heterocycles as inhibitors of fungal invasion)

IT 782475-52-9P, 4-Bromo-N-(5-methylisothiazol-3-yl)benzenesulfonamide 782475-53-0P, 4-Fluoro-N-(5-methylisothiazol-3-yl)benzenesulfonamide
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of (iso)thiazole benzenesulfonamides and other heterocycles as inhibitors of fungal invasion)

IT **782476-48-6 782476-50-0**
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(preparation of (iso)thiazole benzenesulfonamides and other heterocycles as inhibitors of fungal invasion)

RN 782476-48-6 CAPLUS
CN Cinchonan-9-ol, 4-pentylbenzoate (ester), (9S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 782476-50-0 CAPLUS
CN Cinchonan-9-ol, 10,11-dihydro-6'-methoxy-, 5-pentylbenzoate (ester), (9S)-

(9CI) (CA INDEX NAME)

Absolute stereochemistry.